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☐ 1. Document ID: US 6852010 B2

L3: Entry 1 of 23

File: USPT

Feb 8, 2005

US-PAT-NO: 6852010

DOCUMENT-IDENTIFIER: US 6852010 B2

TITLE: Substrate for an information recording medium, information recording medium using the substrate, and method of producing the substrate

DATE-ISSUED: February 8, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Takahashi; Kouji	Tokyo			JP
Miyamoto; Takemi	Tokyo			JP
Tomiyasu; Hiroshi	Tokyo			JP
Hata; Genshichi	Tokyo			JP
Yokoyama; Tomotaka	Tokyo			JP

US-CL-CURRENT: 451/36; 451/41, 451/59, 65/61

ABSTRACT:

A substrate for an information recording medium has a microwaviness average height Ra' not greater than 0.05 microinch as measured by a contactless laser interference technique for measurement points within a measurement region of 50 .mu.m.quadrature.-4 mm.quadrature. on a surface of the substrate. The microwaviness average height Ra' is given by: ##EQU1##

where xi represents a measurement point value of each measurement point, x representing an average value of the measurement point values, n representing the number of said measurement points. Alternatively, the substrate has a waviness period between 300 .mu.m and 5 mm and a waviness average height Wa of 1.0 nm or less as measured by the contactless laser interference technique for measurement points in a measurement region surrounded by two concentric circles which is spaced from a center of a surface of the substrate by a predetermined distance. The waviness average height Wa is given by: ##EQU2##

where Xi represents a measurement point value of each measurement point, X representing an average value of the measurement point values, n representing the number of said measurement points.

66 Claims, 6 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Draw	Draw
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☐ 2. Document ID: US 6804047 B2

L3: Entry 2 of 23

File: USPT

Oct 12, 2004

US-PAT-NO: 6804047

DOCUMENT-IDENTIFIER: US 6804047 B2

TITLE: All-optical or gate embodied by using semiconductor optical amplifiers

DATE-ISSUED: October 12, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Byun; Young Tae	Guri			KR
Jhon; Young Min	Seoul			KR
Kim; Jae Hun	Seoul			KR
Lee; Seok	Seoul			KR
Woo; Deok Ha	Seoul			KR
Kim; Sun Ho	Goyang			KR
Kim; Kwang Nam	Seoul			KR

US-CL-CURRENT: 359/344; 359/107, 359/108, 359/333, 385/11, 385/15

ABSTRACT:

The present invention is related to an all-optical OR device embodied by using the gain saturation and wavelength conversion characteristics of semiconductor optical amplifier (SOA), and more particularly, to a technique to embody an all-optical OR gate that performs all-optical logic operation by utilizing optical signals transmitted at arbitrary points of optical circuits such as optical computing circuits as the pump signal and the probe signal.

4 Claims, 4 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Draw	Draw
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☐ 3. Document ID: US 6738179 B2

L3: Entry 3 of 23

File: USPT

May 18, 2004

US-PAT-NO: 6738179

DOCUMENT-IDENTIFIER: US 6738179 B2

TITLE: Method and device for shaping the waveform of an optical signal

DATE-ISSUED: May 18, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Futami; Fumio	Kawasaki			JP
Watanabe; Shigeki	Kawasaki			JP

US-CL-CURRENT: 359/328; 359/326

ABSTRACT:

In the method according to the present invention, an optical signal is input into a first optical gate to suppress a space-level noise of the optical signal. Subsequently, an optical signal output from the first optical gate is input into a second optical gate to suppress a mark-level noise of the optical signal output from the first optical gate. With this configuration, the waveform of the optical signal can be shaped without O/E conversion. For example, waveform shaping independent of the modulation rate and format of the optical signal can be performed.

24 Claims, 9 Drawing figures

Exemplary Claim Number: 12

Number of Drawing Sheets: 6

Full	Title	Citation	Front	Review	Classification	Date	Reference	47:111	24:771	Claims	Index	Drawings
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☐ 4. Document ID: US 6632795 B1

L3: Entry 4 of 23

File: USPT

Oct 14, 2003

US-PAT-NO: 6632795

DOCUMENT-IDENTIFIER: US 6632795 B1

TITLE: Dolastatin-15 derivatives in combination with taxanes

DATE-ISSUED: October 14, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barlozzari; Teresa	Wellesley	MA		
Haupt; Andreas	Northborough	MA		

US-CL-CURRENT: 514/18; 514/16, 514/17, 514/449

ABSTRACT:

The present invention provides compositions and methods for the treatment of cancer in a subject wherein compounds of Formula I as defined herein in combination with paclitaxel, taxotere or modified taxane or taxoid analogs provide enhanced anticancer effects over the effects achieved with the individual compounds.

22 Claims, 4 Drawing figures

Exemplary Claim Number: 1
Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Page	Draw
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☐ 5. Document ID: US 6544503 B1

L3: Entry 5 of 23

File: USPT

Apr 8, 2003

US-PAT-NO: 6544503
DOCUMENT-IDENTIFIER: US 6544503 B1

TITLE: Process for the preparation of aqueous dispersions of particles of water-soluble polymers and the particles obtained

DATE-ISSUED: April 8, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vanderhoff; John W.	Bethlehem	PA		
Lu; Cheng Xun	Somerset	NJ		
Lee; Clarence C.	Lilburn	GA		
Tsai; Chi-Chun	Lawrenceville	GA		

US-CL-CURRENT: 424/78.17; 424/422, 424/423, 424/489

ABSTRACT:

The invention is a process for the preparation of crosslinked water-swellaable polymer particles. First, an aqueous polymer solution containing a water-soluble polymer having at least one functional group or charge, is combined with aqueous medium. The aqueous polymer solution is then mixed under moderate agitation with an oil medium and an emulsifier to form an emulsion of droplets of the water-soluble polymer. A crosslinking agent capable of crosslinking the functional groups and/or charges in the water-soluble polymer is then added to the emulsion to form crosslinked water-swellaable polymer particles. The invention also includes the particles formed by the process and aqueous dispersions containing the particles which are useful for administering to an individual. The particles of the invention are useful for implantation, soft tissue augmentation, and scaffolding to promote cell growth.

15 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Page	Draw
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☐ 6. Document ID: US 6537648 B1

L3: Entry 6 of 23

File: USPT

Mar 25, 2003

US-PAT-NO: 6537648

DOCUMENT-IDENTIFIER: US 6537648 B1

TITLE: Substrate for an information recording medium, information recording medium using the substrate and method of producing the substrate

DATE-ISSUED: March 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Takahashi; Kouji	Tokyo			JP
Miyamoto; Takemi	Tokyo			JP
Tomiyasu; Hiroshi	Tokyo			JP
Hata; Genshichi	Tokyo			JP
Yokoyama; Tomotaka	Tokyo			JP

US-CL-CURRENT: 428/141; 428/64.1, 428/64.2, 428/65.3, 428/694SG, 428/900

ABSTRACT:

A substrate for an information recording medium has a microwaviness average height Ra' not greater than 0.05 microinch as measured by a contactless laser interference technique for measurement points within a measurement region of 50 .mu.m.quadrature.-4 mm.quadrature. on a surface of the substrate. The microwaviness average height Ra' is given by: ##EQU1##

where xi represents a measurement point value of each measurement point, x representing an average value of the measurement point values, n representing the number of said measurement points. Alternatively, the substrate has a waviness period between 300 .mu.m and 5 mm and a waviness average height Wa of 1.0 nm or less as measured by the contactless laser interference technique for measurement points in a measurement region surrounded by two concentric circles which is spaced from a center of a surface of the substrate by a predetermined distance. The waviness average height Wa is given by: ##EQU2##

where Xi represents a measurement point value of each measurement point, X representing an average value of the measurement point values, n representing the number of said measurement points.

7 Claims, 6 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Figures	Claims	Index	Drawings
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☐ 7. Document ID: US 6426831 B1

L3: Entry 7 of 23

File: USPT

Jul 30, 2002

US-PAT-NO: 6426831

DOCUMENT-IDENTIFIER: US 6426831 B1

**** See image for Certificate of Correction ****

TITLE: EIT based optical switch/wavelength converter

DATE-ISSUED: July 30, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schmidt; Holger	Cambridge	MA		
Ram; Rajeev J.	Cambridge	MA		

US-CL-CURRENT: 359/326; 385/16

ABSTRACT:

A wavelength division multiplexing (WDM) optical communication system includes an EIT based wavelength converter/switch. EIT, i.e., electromagnetically induced transparency, refers to the elimination of resonant absorption on an otherwise optically allowed transition by the application of a coherent coupling light field. In one embodiment, the EIT converter provides a 1.times.1 converter for converting a data stream from a first wavelength to a second wavelength. A constant wave probe field and a coherent coupling field, which has a state corresponding to data stream, are applied to the EIT medium. The converter can convert the data stream from a wavelength corresponding to the coupling field to the wavelength of the probe field. In a further embodiment, additional pairs of probe and coupling fields are applied to the EIT medium to provide an N.times.N converter.

31 Claims, 17 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Index	Image
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☐ 8. Document ID: US 6214331 B1

L3: Entry 8 of 23

File: USPT

Apr 10, 2001

US-PAT-NO: 6214331

DOCUMENT-IDENTIFIER: US 6214331 B1

TITLE: Process for the preparation of aqueous dispersions of particles of water-soluble polymers and the particles obtained

DATE-ISSUED: April 10, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vanderhoff; John W.	Bethlehem	PA		
Lu; Cheng Xun	Somerset	NJ		
Lee; Clarence C.	Lilburn	GA		
Tsai; Chi-Chun	Lawrenceville	GA		

US-CL-CURRENT: 424/78.17; 424/423, 424/489, 514/54, 514/772.1, 523/113, 525/54.3

ABSTRACT:

The invention is a process for the preparation of crosslinked water-swellaable polymer particles. First, an aqueous polymer solution containing a water-soluble polymer having at least one functional group or charge, is combined with aqueous medium. The aqueous polymer solution is then mixed under moderate agitation with an oil medium and an emulsifier to form an emulsion of droplets of the water-soluble polymer. A crosslinking agent capable of crosslinking the functional groups and/or charges in the water-soluble polymer is then added to the emulsion to form crosslinked water-swellaable polymer particles. The invention also includes the particles formed by the process and aqueous dispersions containing the particles which are useful for administering to an individual. The particles of the invention are useful for implantation, soft tissue augmentation, and scaffolding to promote cell growth.

29 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Index	Drawings
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☐ 9. Document ID: US 6210970 B1

L3: Entry 9 of 23

File: USPT

Apr 3, 2001

US-PAT-NO: 6210970
DOCUMENT-IDENTIFIER: US 6210970 B1

TITLE: Method of diagnosing or categorizing disorders from biochemical profiles

DATE-ISSUED: April 3, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Matson; Wayne R.	Ayer	MA		

US-CL-CURRENT: 436/64; 436/150, 436/161, 436/63

ABSTRACT:

A method for diagnosing disorders in a subject organism, in which fluid samples from normal and abnormal organisms are analyzed to generate electrical signal patterns representative of molecular constituents of the samples. A data base of electrical signal patterns representative of frequency distribution of sample constituents from the abnormal organisms having known categories of disorders and control samples from normal organisms are created, and a fluid sample taken from the subject organism is analyzed by comparing it to the data base for conformity to the electrical signal patterns representative of the frequency distribution. The invention has particular applicability to assisting in the diagnosis of degenerative diseases such as Alzheimer's Disease, Parkinson's Disease, Huntington's Disease, schizophrenia, amyotrophic lateral sclerosis and Progressive Supernuclear Palsy.

20 Claims, 7 Drawing figures
Exemplary Claim Number: 1

Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Page	Draw
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☐ 10. Document ID: US 6194217 B1

L3: Entry 10 of 23

File: USPT

Feb 27, 2001

US-PAT-NO: 6194217

DOCUMENT-IDENTIFIER: US 6194217 B1

TITLE: Method of diagnosing or categorizing disorders from biochemical profiles

DATE-ISSUED: February 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Matson; Wayne R.	Ayer	MA		

US-CL-CURRENT: 436/63; 436/150, 436/161, 436/64, 73/61.52

ABSTRACT:

A method for diagnosing disorders in a subject organism, in which fluid samples from normal and abnormal organisms are analyzed to generate electrical signal patterns representative of molecular constituents of the samples. A data base of electrical signal patterns representative of frequency distribution of sample constituents from the abnormal organisms having known categories of disorders and control samples from normal organisms are created, and a fluid sample taken from the subject organism is analyzed by comparing it to the data base for conformity to the electrical signal patterns representative of the frequency distribution. The invention has particular applicability to assisting in the diagnosis of degenerative diseases such as Alzheimer's Disease, Parkinson's Disease, Huntington's Disease, schizophrenia, amyotrophic lateral sclerosis and Progressive Supranuclear Palsy.

32 Claims, 11 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 8

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Page	Draw
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☐ 11. Document ID: US 6184892 B1

L3: Entry 11 of 23

File: USPT

Feb 6, 2001

US-PAT-NO: 6184892

DOCUMENT-IDENTIFIER: US 6184892 B1

**** See image for Certificate of Correction ****

TITLE: Image production processing apparatus and structural data generating

apparatus for generating structural data used in the image production processing apparatus

DATE-ISSUED: February 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Toriu; Takashi	Kawasaki			JP
Endoh; Toshio	Kawasaki			JP
Goto; Makoto	Kawasaki			JP

US-CL-CURRENT: 345/427

ABSTRACT:

An image production processing apparatus includes an input visual point image storage portion for storing body images obtained by taking pictures of a body from a plurality of visual points so that each of the body images corresponds to one of the plurality of visual points, an input feature point storage portion for storing positions of feature points, corresponding to each other, on the body images stored in the input visual point image storage portion, an input visual point storage portion for storing positions of the visual points from which the pictures of the body are taken to obtain the body images stored in the input visual point image storage portion, a visual point selecting portion for selecting a predetermined number of visual points from among the visual points stored in the input visual point storage portion when a visual point is specified, and an image producing portion for producing an body image from the specified visual point from the body images from the selected visual points, based on relationships between feature points on the body images from the selected visual points which feature points are obtained from the input feature point storage portion and relationships between the selected visual points and the specified visual point.

18 Claims, 43 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 36

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Drawings	Drawings
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☐ 12. Document ID: US 6127139 A

L3: Entry 12 of 23

File: USPT

Oct 3, 2000

US-PAT-NO: 6127139

DOCUMENT-IDENTIFIER: US 6127139 A

TITLE: Method for assaying proteolytic enzymes using fluorescence-quenched substrates

DATE-ISSUED: October 3, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Te Koppele; Johannes Maria	Leiderdorp			NL

US-CL-CURRENT: 435/24; 435/23, 435/4, 435/968

ABSTRACT:

A method is disclosed for assaying a proteolytic enzyme comprising: (a) incubating an enzyme-containing sample with an immobilized fluorescence-quenched peptide having the formula Que-Sub-Flu-Spa-Car or Flu-Sub-Que-Spa-Car wherein Sub is a peptide chain containing a specific cleavage site for said proteolytic enzyme; Flu is a fluorophore; Que is a quencher capable of absorbing fluorescent radiation emitted by the fluorophore; Spa is a direct bond or a spacing chain; and Car is a water-insoluble and/or macromolecular carrier; (b) optionally separating the liquid from the carrier material; (c) irradiating said carrier material and measuring fluorescence. Also disclosed are immobilized substrates containing specific amino acid sequences for use in such an assay, especially in an assay for aggrecanase, and metalloproteinase-1, -3 and -13 activity.

19 Claims, 2 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Index	Drawings
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☐ 13. Document ID: US 6125436 A

L3: Entry 13 of 23

File: USPT

Sep 26, 2000

US-PAT-NO: 6125436

DOCUMENT-IDENTIFIER: US 6125436 A

TITLE: Symmetric multiprocessing system with unified environment and distributed system functions wherein bus operations related storage spaces are mapped into a single system address space

DATE-ISSUED: September 26, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bertone; James F.	Quincy	MA		
DiPlacido, Jr.; Bruno	Dedham	MA		
Joyce; Thomas F.	Westford	MA		
Massucci; Martin	Burlington	MA		
McNally; Lance J.	Townsend	MA		
Murray, Jr.; Thomas L.	Hollis	NH		
Nibby, Jr.; Chester M.	Beverly	MA		
Pence; Michelle A.	Chelmsford	MA		
Sanfacon; Marc	North Chelmsford	MA		
Shen; Jian-Kuo	Belmont	MA		
Somers; Jeffrey S.	Lowell	MA		
Steiner; G. Lewis	Milford	MA		

US-CL-CURRENT: 711/202; 711/200

ABSTRACT:

A symmetric multiprocessing system with a unified environment and distributed system functions provides unified address space for all functional units in the system while distributing the execution of various system functions over the functional units of the system whereby each functional unit assumes responsibility for its own aspects of these operations. In addition, the system provides improved system bus operation for transfer of data from memory.

8 Claims, 26 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 25

Full	Title	Citation	Front	Review	Classification	Date	Reference	Image	Image	Claims	Image	Image
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☐ 14. Document ID: US 6103698 A

L3: Entry 14 of 23

File: USPT

Aug 15, 2000

US-PAT-NO: 6103698

DOCUMENT-IDENTIFIER: US 6103698 A

**** See image for Certificate of Correction ****

TITLE: Dolastatin-15 derivatives in combination with taxanes

DATE-ISSUED: August 15, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barlozzari; Teresa	Wellesley	MA		
Haupt; Andreas	Northborough	MA		

US-CL-CURRENT: 514/18; 514/16, 514/17, 514/449

ABSTRACT:

The present invention provides compositions and methods for the treatment of cancer in a subject wherein compounds of Formula I as defined herein in combination with paclitaxel, taxotere or modified taxane or taxoid analogs provide enhanced anticancer effects over the effects achieved with the individual compounds.

25 Claims, 4 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Image	Image	Claims	Image	Image
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☐ 15. Document ID: US 6096445 A

US-PAT-NO: 6096445
DOCUMENT-IDENTIFIER: US 6096445 A

TITLE: Substrate for a magnetic recording medium, the magnetic recording medium,
and a method of producing the same

DATE-ISSUED: August 1, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Terakado; Masatomo	Odawara			JP
Inomata; Youichi	Odawara			JP
Yahisa; Yotsuo	Odawara			JP
Ishikawa; Akira	Kodaira			JP
Akamatsu; Kiyoshi	Yokohama			JP

US-CL-CURRENT: 428/694T; 428/694SG, 428/694TR, 428/900

ABSTRACT:

A non-ferromagnetic metal thin film is formed on a non-ferromagnetic substrate such as a glass substrate. A target principally containing an intermetallic compound is sputtered to form a fine structure having discrete bumps provided on the surface of the substrate. In addition, ring bumps different from the bumps of the intermetallic compound are formed on a contact start/stop zone by a laser or other means, thus completing a magnetic recording medium.

2 Claims, 22 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 13

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Index	Drawings
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☐ 16. Document ID: US 6015790 A

US-PAT-NO: 6015790
DOCUMENT-IDENTIFIER: US 6015790 A

TITLE: Methods and compositions for treating rheumatoid arthritis

DATE-ISSUED: January 18, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barlozzari; Teresa	Wellesley	MA		
Banerjee; Subhashis	Shrewsbury	MA		
Haupt; Andreas	Northborough	MA		

US-CL-CURRENT: 514/17; 514/18

ABSTRACT:

The present invention provides compositions and methods for the treatment of rheumatoid arthritis in a subject wherein one or more compounds of Formula I as defined herein alone or in combination with one or more other antiarthritic drugs provide suppression of rheumatoid arthritis.

11 Claims, 4 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 6

Full	Title	Citation	Front	Revision	Classification	Date	Reference	Claims	Page	Draw
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☐ 17. Document ID: US 5958354 A

L3: Entry 17 of 23

File: USPT

Sep 28, 1999

US-PAT-NO: 5958354

DOCUMENT-IDENTIFIER: US 5958354 A

**** See image for Certificate of Correction ****

TITLE: Aluminosilicate cation exchange compounds

DATE-ISSUED: September 28, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP	CODE	COUNTRY
Thompson; John Gerard	Page, Australian Capital Territory, 2614				AU
Koun; Sasha	Cook, Australian Capital Territory, 2614				AU
Withers; Raymond Leslie	Narrabundah, Australian Capital Territory, 2604				AU
Palethorpe; Stephen Ronald	Cook, Australian Capital Territory, 2614				AU

US-CL-CURRENT: 423/328.1; 423/328.2

ABSTRACT:

Poorly or partly crystalline alkali metal aluminosilicate materials have stuffed silica polymorph related-structures in which the aluminium is at least predominantly tetrahedrally coordinated and cation exchange capacities at room temperature of at least 1 meq 100 g.sup.-1 in aqueous solution. The materials are produced by reacting an aluminosilicate, or a combination of aluminium oxide-containing and silicon oxide-containing compounds, with an alkali oxide-containing reagent. Preferably the reaction is a solid state reaction. Specific surfaces of the material are likely to be less than 45 m.sup.2 g.sup.-1. The preferred aluminosilicate reactants are kaolin group minerals.

22 Claims, 15 Drawing figures

Exemplary Claim Number: 1
Number of Drawing Sheets: 15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FIGS.	Drawings
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☐ 18. Document ID: US 5604224 A

L3: Entry 18 of 23

File: USPT

Feb 18, 1997

US-PAT-NO: 5604224

DOCUMENT-IDENTIFIER: US 5604224 A

TITLE: Substituted heterocyclisoquinolinium salts and compositions and methods of use thereof

DATE-ISSUED: February 18, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dority, Jr.; John A.	Upper Providence Township	PA		
Earley; William G.	East Vincent Township	PA		
Kumar; Virendra	Tredyffrin Township	PA		
Mallamo; John P.	Uwchlan Township	PA		
Miller; Matthew S.	Lower Makefield Township	PA		
Subramanyam; Chakrapani	Towamencin Township	PA		

US-CL-CURRENT: 514/226.8; 514/227.2, 514/228.5, 514/228.8, 514/241, 514/245,
514/246, 514/250, 514/252.04, 514/255.05, 514/257, 514/266.21, 514/277, 514/278,
514/289, 514/294, 514/300, 514/307, 514/308, 514/311, 514/318, 514/321, 514/322,
514/338, 514/339, 514/361, 514/363, 514/364, 514/366, 514/373, 514/375, 514/379,
514/383, 514/393, 514/403, 514/63, 514/79

ABSTRACT:

Substituted heterocyclisoquinolinium salts, pharmaceutical compositions containing them and methods for the treatment or prevention of neurodegenerative disorders or neurotoxic injuries utilizing them.

21 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FIGS.	Drawings
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☐ 19. Document ID: US 5446659 A

L3: Entry 19 of 23

File: USPT

Aug 29, 1995

US-PAT-NO: 5446659

DOCUMENT-IDENTIFIER: US 5446659 A

TITLE: Traffic accident data recorder and traffic accident reproduction system

DATE-ISSUED: August 29, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yamawaki; Yuichiro	Kobe			JP

US-CL-CURRENT: 701/29; 340/438, 701/35

ABSTRACT:

A traffic accident data recorder comprising an acceleration sensor 3, an angular velocity sensor 4 if necessary, a memory 8, and a control section 7 for controlling the recording in the memory 8. When the output datum from the acceleration sensor 3 or the angular velocity sensor exceeds a predetermined value, the control section 7 recognizes that time as a traffic accident occurrence time, and stores the acceleration data and angular velocity data before and after then or after then in the memory 8. By analyzing the data with a traffic accident data reproduction system, it is possible to reproduce the state at the traffic accident occurrence time.

7 Claims, 19 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 9

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Index	Drawings
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☐ 20. Document ID: US 5096929 A

L3: Entry 20 of 23

File: USPT

Mar 17, 1992

US-PAT-NO: 5096929

DOCUMENT-IDENTIFIER: US 5096929 A

TITLE: 2-amino-1,2,3,4-tetrahydronaphthalene derivatives with cardiovascular activity, process for their preparation and pharmaceutical compositions containing them

DATE-ISSUED: March 17, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chiesi; Paolo	Parma			IT
Bongrani; Stefano	Parma			IT
Delcanale; Maurizio	Parma			IT
Servadio; Vittorino	Parma			IT

US-CL-CURRENT: 514/653; 564/364

ABSTRACT:

5,6-Dimethoxy-2-[2-(4-hydroxyphenyl)-2-hydroxy-2-methylethyl]amino- 1,2,3,4-tetrahydronaphthalene has inotropic and vasodilating activities and therefore can be used in the treatment of cardiocirculatory failure. The compound can be in the form of a single stereoisomer or as a mixture of two or more stereoisomers.

11 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Index	Drawings
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☐ 21. Document ID: US 4918589 A

L3: Entry 21 of 23

File: USPT

Apr 17, 1990

US-PAT-NO: 4918589
DOCUMENT-IDENTIFIER: US 4918589 A

TITLE: Method and apparatus for linking processors in a hierarchical control system

DATE-ISSUED: April 17, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Floro; William E.	Willoughby	OH		
Luboski; Mark	Euclid	OH		
Murphy; Timothy J.	Parma	OH		

US-CL-CURRENT: 700/3; 710/15

ABSTRACT:

An inter-processor communication module is inserted into a slot of an equipment rack of the type used to connect I/O modules to system processors in a programmable controller. Using two of the inter-processor communication modules in two respective racks, a supervisory processor is connected to two respective local area processors in a distributed control system. The inter-processor communication module has a serial channel controller that connects to the supervisory processor through a serial I/O port and a serial communication channel to communicate blocks of I/O status data. The serial channel controller is coupled to a backplane controller through a common memory and arbitration circuitry to exchange blocks of I/O status data. The backplane controller, which is also a part of the inter-processor communication module, plugs into the backplane of the rack and exchanges blocks of I/O status data with a local area processor. The two controllers also exchange processor status data to coordinate communications which are initiated by the supervisory processor and the local area processor. Methods of transferring I/O status data between the supervisory processor and the local area processors are also disclosed.

24 Claims, 15 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Index	Drawings
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☐ 22. Document ID: US 4882702 A

L3: Entry 22 of 23

File: USPT

Nov 21, 1989

US-PAT-NO: 4882702

DOCUMENT-IDENTIFIER: US 4882702 A

**** See image for Certificate of Correction ****

TITLE: Programmable controller with I/O expansion module located in one of I/O module positions for communication with outside I/O modules

DATE-ISSUED: November 21, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Struger; Odo J.	Chagrin Falls	OH		
Luboski; Mark	Euclid	OH		
Murphy; Timothy J.	Hudson	OH		

US-CL-CURRENT: 710/2; 700/3, 700/8

ABSTRACT:

The capacity of programmable controllers with a processor module and I/O modules connected in a single equipment rack is expanded by connecting an I/O expansion module in one of the positions normally occupied by a conventional I/O module. The I/O expansion module communicates with the processor module through the rack backplane and also communicates with other racks of I/O modules and with node I/O modules through a serial data channel. Data for I/O modules on the serial data channel are stored in a bulk storage area in the processor module to expand the effective size of an image table of I/O status data that is maintained by the processor module. The processor module is programmed to operate with a backplane controller in the I/O expansion module to transfer data in or out of the bulk storage area. Besides the backplane controller, the I/O expansion module includes a serial channel controller, a common memory and arbitration circuitry which allows the controllers to alternate access to the common memory and to exchange data. The serial channel controller controls multiplexing and demultiplexing of I/O status data with the I/O modules through the serial data channel.

10 Claims, 11 Drawing figures

Exemplary Claim Number: 4

Number of Drawing Sheets: 11

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Index	Drawings
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☐ 23. Document ID: US 3835260 A

L3: Entry 23 of 23

File: USPT

Sep 10, 1974

US-PAT-NO: 3835260

DOCUMENT-IDENTIFIER: US 3835260 A

TITLE: COMMUNICATION SWITCHING SYSTEM, WITH MARKER, REGISTER, AND OTHER SUBSYSTEMS
COORDINATED BY A STORED PROGRAM CENTRAL PROCESSOR

DATE-ISSUED: September 10, 1974

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Prescher; Kenneth E.	Lombard	IL		
Schauer; Ronald E.	Hanover Park	IL		
Sikorski; Frank B.	Des Plaines	IL		

US-CL-CURRENT: 379/237; 379/269, 379/273, 379/279, 379/290, 379/302

ABSTRACT:

A stored program computer is used for functions such as digit analysis and routing control where flexibility is important, while a wired logic time division multiplex register-sender subsystem is used to receive dialing and other call signals and to control outputting which require relatively fixed functions of a repetitive nature. A reed relay switching network is controlled by wired logic markers which perform path selection functions as well as supplying operating potentials for the network relays. The originating marker also performs the function of scanning the lines for originating calls, identifying the calling line and selecting a path through the network to a register junctor. Direct data communication is provided between the originating marker and the data processor computer for sending an originating message identifying the calling line and the register junctor. There is also a direct communication path from the computer to the terminating markers to send them messages identifying terminals to be connected to complete a call. The data processor includes a separate drum memory system with its own processing logic circuits for performing functions such as translations and providing an extended memory for some programs for the computer. The data processor computer communicates with the register-sender subsystem by direct access to the register-sender memory on a random basis, arranged so as not to interfere with the cyclical access by the register-sender subsystem.

13 Claims, 242 Drawing figures Number of Drawing Sheets: 190

Full	Title	Citation	Front	Review	Classification	Date	Reference				Claims	Index	Drawings
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☐ 1. Document ID: US 6879526 B2

L2: Entry 1 of 54

File: USPT

Apr 12, 2005

US-PAT-NO: 6879526

DOCUMENT-IDENTIFIER: US 6879526 B2

TITLE: Methods and apparatus for improved memory access

DATE-ISSUED: April 12, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lynch; William Thomas	Apex	NC		
Herbison; David James	Arvada	CO		

US-CL-CURRENT: [365/189.12](#); [365/221](#), [365/233](#), [365/239](#), [365/240](#), [365/78](#)

ABSTRACT:

A memory access scheme employing one or more sets of shift registers interconnected in series to which data may be loaded from or written into one or more memory devices. That is, data from the memory devices may be parallel loaded into the sets of shift registers and then serially shifted through the shift registers until it is output from the sets of shift registers and transferred to its destination. Additionally, the data may be read from and loaded into the memory devices to/from the sets of shift registers such that the shifting of the shift registers is uninterrupted during the reading and/or loading of data. Additionally, data from the memory devices may be loaded into two or more parallel chains of shift registers and then serially shifted through the shift register chains.

60 Claims, 16 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 16

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Book	Drawings
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☐ 2. Document ID: US 6852010 B2

L2: Entry 2 of 54

File: USPT

Feb 8, 2005

US-PAT-NO: 6852010

DOCUMENT-IDENTIFIER: US 6852010 B2

TITLE: Substrate for an information recording medium, information recording medium using the substrate, and method of producing the substrate

DATE-ISSUED: February 8, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Takahashi; Kouji	Tokyo			JP
Miyamoto; Takemi	Tokyo			JP
Tomiyasu; Hiroshi	Tokyo			JP
Hata; Genshichi	Tokyo			JP
Yokoyama; Tomotaka	Tokyo			JP

US-CL-CURRENT: 451/36; 451/41, 451/59, 65/61

ABSTRACT:

A substrate for an information recording medium has a microwaviness average height Ra' not greater than 0.05 microinch as measured by a contactless laser interference technique for measurement points within a measurement region of 50 μm quadrature.-4 mm quadrature. on a surface of the substrate. The microwaviness average height Ra' is given by: ##EQU1##

where x_i represents a measurement point value of each measurement point, \bar{x} representing an average value of the measurement point values, n representing the number of said measurement points. Alternatively, the substrate has a waviness period between 300 μm and 5 mm and a waviness average height Wa of 1.0 nm or less as measured by the contactless laser interference technique for measurement points in a measurement region surrounded by two concentric circles which is spaced from a center of a surface of the substrate by a predetermined distance. The waviness average height Wa is given by: ##EQU2##

where X_i represents a measurement point value of each measurement point, \bar{X} representing an average value of the measurement point values, n representing the number of said measurement points.

66 Claims, 6 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Index	Drawings
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☐ 3. Document ID: US 6850645 B2

L2: Entry 3 of 54

File: USPT

Feb 1, 2005

US-PAT-NO: 6850645

DOCUMENT-IDENTIFIER: US 6850645 B2

TITLE: Pattern recognizing apparatus

DATE-ISSUED: February 1, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Naoi; Satoshi	Kawasaki			JP
Suwa; Misako	Kawasaki			JP
Hotta; Yoshinobu	Kawasaki			JP

US-CL-CURRENT: 382/190; 382/176

ABSTRACT:

A pattern recognizing apparatus having a character extractor that extracts a character from an input image, a non-character extractor that extracts a non-character from an input image, a character recognizer that recognizes a character, a non-character recognizer that recognizes a non-character and an environment recognizer that instructs the character recognizer to perform a recognition process when the character extractor extracts a character, and that instructs the non-character recognizer to perform a recognition process when the non-character recognizer extracts a non-character.

2 Claims, 129 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 95

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Index	Drawings
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☐ 4. Document ID: US 6804047 B2

L2: Entry 4 of 54

File: USPT

Oct 12, 2004

US-PAT-NO: 6804047

DOCUMENT-IDENTIFIER: US 6804047 B2

TITLE: All-optical or gate embodied by using semiconductor optical amplifiers

DATE-ISSUED: October 12, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Byun; Young Tae	Guri			KR
Jhon; Young Min	Seoul			KR
Kim; Jae Hun	Seoul			KR
Lee; Seok	Seoul			KR
Woo; Deok Ha	Seoul			KR
Kim; Sun Ho	Goyang			KR
Kim; Kwang Nam	Seoul			KR

US-CL-CURRENT: 359/344; 359/107, 359/108, 359/333, 385/11, 385/15

ABSTRACT:

The present invention is related to an all-optical OR device embodied by using the

gain saturation and wavelength conversion characteristics of semiconductor optical amplifier (SOA), and more particularly, to a technique to embody an all-optical OR gate that performs all-optical logic operation by utilizing optical signals transmitted at arbitrary points of optical circuits such as optical computing circuits as the pump signal and the probe signal.

4 Claims, 4 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Fig. 1	Fig. 2	Claims	Index	Draw. 1
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☐ 5. Document ID: US 6738179 B2

L2: Entry 5 of 54

File: USPT

May 18, 2004

US-PAT-NO: 6738179

DOCUMENT-IDENTIFIER: US 6738179 B2

TITLE: Method and device for shaping the waveform of an optical signal

DATE-ISSUED: May 18, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Futami; Fumio	Kawasaki			JP
Watanabe; Shigeki	Kawasaki			JP

US-CL-CURRENT: 359/328; 359/326

ABSTRACT:

In the method according to the present invention, an optical signal is input into a first optical gate to suppress a space-level noise of the optical signal. Subsequently, an optical signal output from the first optical gate is input into a second optical gate to suppress a mark-level noise of the optical signal output from the first optical gate. With this configuration, the waveform of the optical signal can be shaped without O/E conversion. For example, waveform shaping independent of the modulation rate and format of the optical signal can be performed.

24 Claims, 9 Drawing figures

Exemplary Claim Number: 12

Number of Drawing Sheets: 6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Fig. 1	Fig. 2	Claims	Index	Draw. 1
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☐ 6. Document ID: US 6687401 B2

L2: Entry 6 of 54

File: USPT

Feb 3, 2004

**** See image for Certificate of Correction ****

TITLE: Pattern recognizing apparatus and method

DATE-ISSUED: February 3, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Naoi; Satoshi	Kawasaki			JP
Suwa; Misako	Kawasaki			JP

US-CL-CURRENT: 382/190; 382/181

ABSTRACT:

A pattern recognizing apparatus, having an environment recognizer that extracts a predetermined feature from an input image and a pattern recognizer that performs a pattern recognizing process after altering the process based on the feature extracted by the environment recognizer.

7 Claims, 128 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 95

Full	Title	Citation	Front	Review	Classification	Date	Reference	USPTO #	Pub. #	Claims	FOI/C	Grant/Dis
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☐ 7. Document ID: US 6632795 B1

L2: Entry 7 of 54

File: USPT

Oct 14, 2003

US-PAT-NO: 6632795

DOCUMENT-IDENTIFIER: US 6632795 B1

TITLE: Dolastatin-15 derivatives in combination with taxanes

DATE-ISSUED: October 14, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barlozzari; Teresa	Wellesley	MA		
Haupt; Andreas	Northborough	MA		

US-CL-CURRENT: 514/18; 514/16, 514/17, 514/449

ABSTRACT:

The present invention provides compositions and methods for the treatment of cancer in a subject wherein compounds of Formula I as defined herein in combination with paclitaxel, taxotere or modified taxane or taxoid analogs provide enhanced anticancer effects over the effects achieved with the individual compounds.

22 Claims, 4 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Index	Drawings
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☐ 8. Document ID: US 6544503 B1

L2: Entry 8 of 54

File: USPT

Apr 8, 2003

US-PAT-NO: 6544503

DOCUMENT-IDENTIFIER: US 6544503 B1

TITLE: Process for the preparation of aqueous dispersions of particles of water-soluble polymers and the particles obtained

DATE-ISSUED: April 8, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vanderhoff; John W.	Bethlehem	PA		
Lu; Cheng Xun	Somerset	NJ		
Lee; Clarence C.	Lilburn	GA		
Tsai; Chi-Chun	Lawrenceville	GA		

US-CL-CURRENT: 424/78.17; 424/422, 424/423, 424/489

ABSTRACT:

The invention is a process for the preparation of crosslinked water-swellaable polymer particles. First, an aqueous polymer solution containing a water-soluble polymer having at least one functional group or charge, is combined with aqueous medium. The aqueous polymer solution is then mixed under moderate agitation with an oil medium and an emulsifier to form an emulsion of droplets of the water-soluble polymer. A crosslinking agent capable of crosslinking the functional groups and/or charges in the water-soluble polymer is then added to the emulsion to form crosslinked water-swellaable polymer particles. The invention also includes the particles formed by the process and aqueous dispersions containing the particles which are useful for administering to an individual. The particles of the invention are useful for implantation, soft tissue augmentation, and scaffolding to promote cell growth.

15 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Index	Drawings
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☐ 9. Document ID: US 6537648 B1

L2: Entry 9 of 54

File: USPT

Mar 25, 2003

US-PAT-NO: 6537648
DOCUMENT-IDENTIFIER: US 6537648 B1

TITLE: Substrate for an information recording medium, information recording medium
using the substrate and method of producing the substrate

DATE-ISSUED: March 25, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Takahashi; Kouji	Tokyo			JP
Miyamoto; Takemi	Tokyo			JP
Tomiyasu; Hiroshi	Tokyo			JP
Hata; Genshichi	Tokyo			JP
Yokoyama; Tomotaka	Tokyo			JP

US-CL-CURRENT: 428/141; 428/64.1, 428/64.2, 428/65.3, 428/694SG, 428/900

ABSTRACT:

A substrate for an information recording medium has a microwaviness average height Ra' not greater than 0.05 microinch as measured by a contactless laser interference technique for measurement points within a measurement region of 50 .mu.m.quadrature.-4 mm.quadrature. on a surface of the substrate. The microwaviness average height Ra' is given by: ##EQU1##

where xi represents a measurement point value of each measurement point, x representing an average value of the measurement point values, n representing the number of said measurement points. Alternatively, the substrate has a waviness period between 300 .mu.m and 5 mm and a waviness average height Wa of 1.0 nm or less as measured by the contactless laser interference technique for measurement points in a measurement region surrounded by two concentric circles which is spaced from a center of a surface of the substrate by a predetermined distance. The waviness average height Wa is given by: ##EQU2##

where Xi represents a measurement point value of each measurement point, X representing an average value of the measurement point values, n representing the number of said measurement points.

7 Claims, 6 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 6

Full	Title	Citation	Front	Review	Classification	Date	Reference				Claims	Index	Drawings
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☐ 10. Document ID: US 6496427 B2

L2: Entry 10 of 54

File: USPT

Dec 17, 2002

US-PAT-NO: 6496427
DOCUMENT-IDENTIFIER: US 6496427 B2

TITLE: Nonvolatile semiconductor memory device

DATE-ISSUED: December 17, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kojima; Makoto	Osaka			JP
Kotani; Hisakazu	Hyogo			JP

US-CL-CURRENT: 365/200; 365/189.02, 365/218

ABSTRACT:

A nonvolatile semiconductor memory device with high repair efficiency prevents over-erasing even if a memory cell is replaced in the word line direction. The nonvolatile semiconductor memory device includes the following: erasing bias circuits for erasing data in normal memory cell arrays and a redundancy memory cell array; erasing decode circuits for decoding defective address information; and redundancy control circuits connected in series so that a preceding stage controls the next in order to store defective address information based on an erasing decode signal and to switch the erasing bias circuits based on the defective address information. In erasing data, the redundancy control circuits switch the erasing bias circuits so as to inhibit the application of an erasing bias to word and source lines connected to control gates of the normal memory cell array that is replaced by the redundant memory cell array and also inhibit the erasing bias application to those connected to control gates of the unused redundant memory cell array.

17 Claims, 26 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 24

Full	Title	Citation	Front	Review	Classification	Date	Reference	Image	Image	Image	Claims	Image	Image
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☐ 11. Document ID: US 6458765 B1

L2: Entry 11 of 54

File: USPT

Oct 1, 2002

US-PAT-NO: 6458765

DOCUMENT-IDENTIFIER: US 6458765 B1

**** See image for Certificate of Correction ****

TITLE: Dolastatin 15 derivatives

DATE-ISSUED: October 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Janssen; Bernd	Marlborough	MA		
Barlozzari; Teresa	Wellesley	MA		
Haupt; Andreas	Northborough	MA		
Zierke; Thomas	Bohl-Iggelheim			DE
Kling; Andreas	Mannheim			DE

US-CL-CURRENT: 514/16; 514/17, 514/2, 530/329, 530/330

ABSTRACT:

Compounds of the present invention include cell growth inhibitors which are peptides of Formula I,

A-B-D-E-F-(G).sub.r -(K).sub.s -L (I),

and acid salts thereof, wherein A, B, D, E, F, G and K are .alpha.-amino acid residues, and s and r are each, independently, 0 or 1. L is a monovalent radical, such as, for example, an amino group, an N-substituted amino group, a .beta.-hydroxylamino group, a hydrazido group, an alkoxy group, a thioalkoxy group, an aminoxy group, or an oximato group. The present invention also includes a method for treating cancer in a mammal, such as a human, comprising administering to the mammal an effective amount of a compound of Formula I in a pharmaceutically acceptable composition.

33 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FIGS	Drawings
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☐ 12. Document ID: US 6426831 B1

L2: Entry 12 of 54

File: USPT

Jul 30, 2002

US-PAT-NO: 6426831

DOCUMENT-IDENTIFIER: US 6426831 B1

**** See image for Certificate of Correction ****

TITLE: EIT based optical switch/wavelength converter

DATE-ISSUED: July 30, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schmidt; Holger	Cambridge	MA		
Ram; Rajeev J.	Cambridge	MA		

US-CL-CURRENT: 359/326; 385/16

ABSTRACT:

A wavelength division multiplexing (WDM) optical communication system includes an EIT based wavelength converter/switch. EIT, i.e., electromagnetically induced transparency, refers to the elimination of resonant absorption on an otherwise optically allowed transition by the application of a coherent coupling light field. In one embodiment, the EIT converter provides a 1.times.1 converter for converting a data stream from a first wavelength to a second wavelength. A constant wave probe field and a coherent coupling field, which has a state corresponding to data stream, are applied to the EIT medium. The converter can convert the data stream from a wavelength corresponding to the coupling field to the wavelength of the probe field. In a further embodiment, additional pairs of probe and coupling fields

are applied to the EIT medium to provide an N.times.N converter.

31 Claims, 17 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Draw
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☐ 13. Document ID: US 6345119 B1

L2: Entry 13 of 54

File: USPT

Feb 5, 2002

US-PAT-NO: 6345119

DOCUMENT-IDENTIFIER: US 6345119 B1

TITLE: Handwritten character recognition apparatus and method using a clustering algorithm

DATE-ISSUED: February 5, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Hotta; Yoshinobu	Kawasaki			JP
Naoi; Satoshi	Kawasaki			JP
Suwa; Misako	Kawasaki			JP

US-CL-CURRENT: 382/225; 382/186

ABSTRACT:

For a plurality of handwritten characters extracted from an input image, a character category for each character is first determined by a character recognition process. Second, according to a clustering process, similarity levels of character-forms among extracted characters are determined, and based on the determination result, the character category determination result from the first character recognition process is modified.

25 Claims, 29 Drawing figures

Exemplary Claim Number: 6

Number of Drawing Sheets: 29

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Draw
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☐ 14. Document ID: US 6335986 B1

L2: Entry 14 of 54

File: USPT

Jan 1, 2002

US-PAT-NO: 6335986

DOCUMENT-IDENTIFIER: US 6335986 B1

**** See image for Certificate of Correction ****

TITLE: Pattern recognizing apparatus and method

DATE-ISSUED: January 1, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Naoi; Satoshi	Kawasaki			JP
Suwa; Misako	Kawasaki			JP
Hotta; Yoshinobu	Kawasaki			JP

US-CL-CURRENT: 382/190; 382/310

ABSTRACT:

An environment recognizing unit extracts the first through N-th states from an input image and calls data corresponding to the first through N-th states from the first through N-th pattern recognizing units to perform a recognizing unit.

11 Claims, 129 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 95

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Index	Drawings
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☐ 15. Document ID: US 6214331 B1

L2: Entry 15 of 54

File: USPT

Apr 10, 2001

US-PAT-NO: 6214331

DOCUMENT-IDENTIFIER: US 6214331 B1

TITLE: Process for the preparation of aqueous dispersions of particles of water-soluble polymers and the particles obtained

DATE-ISSUED: April 10, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Vanderhoff; John W.	Bethlehem	PA		
Lu; Cheng Xun	Somerset	NJ		
Lee; Clarence C.	Lilburn	GA		
Tsai; Chi-Chun	Lawrenceville	GA		

US-CL-CURRENT: 424/78.17; 424/423, 424/489, 514/54, 514/772.1, 523/113, 525/54.3

ABSTRACT:

The invention is a process for the preparation of crosslinked water-swellaable polymer particles. First, an aqueous polymer solution containing a water-soluble polymer having at least one functional group or charge, is combined with aqueous medium. The aqueous polymer solution is then mixed under moderate agitation with an

oil medium and an emulsifier to form an emulsion of droplets of the water-soluble polymer. A crosslinking agent capable of crosslinking the functional groups and/or charges in the water-soluble polymer is then added to the emulsion to form crosslinked water-swellaable polymer particles. The invention also includes the particles formed by the process and aqueous dispersions containing the particles which are useful for administering to an individual. The particles of the invention are useful for implantation, soft tissue augmentation, and scaffolding to promote cell growth.

29 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Full	Title	Abstract	Front	Review	Classification	Date	Reference	Claims	Drawings
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☐ 16. Document ID: US 6212290 B1

L2: Entry 16 of 54

File: USPT

Apr 3, 2001

US-PAT-NO: 6212290

DOCUMENT-IDENTIFIER: US 6212290 B1

TITLE: Non-minutiae automatic fingerprint identification system and methods

DATE-ISSUED: April 3, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gagne; Patricia C.	Coventry	RI		
Puterko; Carol M.	Coventry	RI		

US-CL-CURRENT: 382/125

ABSTRACT:

The invention relates to a system and methods for verifying a person's identity, and pertains in particular to such a system and methods which utilize comparison of a fingerprint pattern for identification verification. The image of a fingerprint of a person to be identified is provided on an inkless means which when touched by a finger of the person causes immediate development of an image of the fingerprint of the finger in a black and white appearance. This image of a fingerprint is video scanned to produce image data which is digitized to produce a non-minutiae digitized numerical identifier indicative of the fingerprint. A preferred method and system provides a non-minutiae digitized numerical identifier having 24 bytes of fingerprint identification data which is recordable within the magnetic stripe of a credit card personal to a person, or may be recorded within the confines of a portable personnel identification means, or within a smart card, personal to a person. The non-minutiae digitized numerical identifier is provided by selectively analyzing different parts of a fingerprint and deriving from each part a byte numeric which is directly related to the ridge count computed for that part. Prior to performing the "digitizing" method, a fingerprint identity window is defined as the area of analysis. The present invention also discloses inventive methods relating to "image sizing" and "image framing" which are performed upon the fingerprint image and whitespace digital data stored in memory, prior to defining a fingerprint identity window. Various applications of the invention methods and

system are disclosed herein.

38 Claims, 45 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 28

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Draw	Draw
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☐ 17. Document ID: US 6210970 B1

L2: Entry 17 of 54

File: USPT

Apr 3, 2001

US-PAT-NO: 6210970

DOCUMENT-IDENTIFIER: US 6210970 B1

TITLE: Method of diagnosing or categorizing disorders from biochemical profiles

DATE-ISSUED: April 3, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Matson; Wayne R.	Ayer	MA		

US-CL-CURRENT: 436/64; 436/150, 436/161, 436/63

ABSTRACT:

A method for diagnosing disorders in a subject organism, in which fluid samples from normal and abnormal organisms are analyzed to generate electrical signal patterns representative of molecular constituents of the samples. A data base of electrical signal patterns representative of frequency distribution of sample constituents from the abnormal organisms having known categories of disorders and control samples from normal organisms are created, and a fluid sample taken from the subject organism is analyzed by comparing it to the data base for conformity to the electrical signal patterns representative of the frequency distribution. The invention has particular applicability to assisting in the diagnosis of degenerative diseases such as Alzheimer's Disease, Parkinson's Disease, Huntington's Disease, schizophrenia, amyotrophic lateral sclerosis and Progressive Supranuclear Palsy.

20 Claims, 7 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Draw	Draw
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☐ 18. Document ID: US 6194217 B1

L2: Entry 18 of 54

File: USPT

Feb 27, 2001

US-PAT-NO: 6194217

DOCUMENT-IDENTIFIER: US 6194217 B1

TITLE: Method of diagnosing or categorizing disorders from biochemical profiles

DATE-ISSUED: February 27, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Matson; Wayne R.	Ayer	MA		

US-CL-CURRENT: 436/63; 436/150, 436/161, 436/64, 73/61.52

ABSTRACT:

A method for diagnosing disorders in a subject organism, in which fluid samples from normal and abnormal organisms are analyzed to generate electrical signal patterns representative of molecular constituents of the samples. A data base of electrical signal patterns representative of frequency distribution of sample constituents from the abnormal organisms having known categories of disorders and control samples from normal organisms are created, and a fluid sample taken from the subject organism is analyzed by comparing it to the data base for conformity to the electrical signal patterns representative of the frequency distribution. The invention has particular applicability to assisting in the diagnosis of degenerative diseases such as Alzheimer's Disease, Parkinson's Disease, Huntington's Disease, schizophrenia, amyotrophic lateral sclerosis and Progressive Supranuclear Palsy.

32 Claims, 11 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 8

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Figures	Claims	Index	Drawings
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☐ 19. Document ID: US 6184892 B1

L2: Entry 19 of 54

File: USPT

Feb 6, 2001

US-PAT-NO: 6184892

DOCUMENT-IDENTIFIER: US 6184892 B1

**** See image for Certificate of Correction ****

TITLE: Image production processing apparatus and structural data generating apparatus for generating structural data used in the image production processing apparatus

DATE-ISSUED: February 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Toriu; Takashi	Kawasaki			JP
Endoh; Toshio	Kawasaki			JP
Goto; Makoto	Kawasaki			JP

ABSTRACT:

An image production processing apparatus includes an input visual point image storage portion for storing body images obtained by taking pictures of a body from a plurality of visual points so that each of the body images corresponds to one of the plurality of visual points, an input feature point storage portion for storing positions of feature points, corresponding to each other, on the body images stored in the input visual point image storage portion, an input visual point storage portion for storing positions of the visual points from which the pictures of the body are taken to obtain the body images stored in the input visual point image storage portion, a visual point selecting portion for selecting a predetermined number of visual points from among the visual points stored in the input visual point storage portion when a visual point is specified, and an image producing portion for producing an body image from the specified visual point from the body images from the selected visual points, based on relationships between feature points on the body images from the selected visual points which feature points are obtained from the input feature point storage portion and relationships between the selected visual points and the specified visual point.

18 Claims, 43 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 36

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Index	Drawings
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☐ 20. Document ID: US 6172184 B1

L2: Entry 20 of 54

File: USPT

Jan 9, 2001

US-PAT-NO: 6172184

DOCUMENT-IDENTIFIER: US 6172184 B1

TITLE: Hypersensitive response elicitor from Pseudomonas syringae and its use

DATE-ISSUED: January 9, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Collmer; Alan	Ithaca	NY		
Charkowski; Amy	Oakland	CA		
Alfano; James R.	Simi Valley	CA		

US-CL-CURRENT: 530/300; 435/410, 435/418, 435/71.1, 530/825, 800/295, 800/298

ABSTRACT:

The present invention is directed to an isolated protein or polypeptide which elicits a hypersensitive response in plants as well as an isolated DNA molecule which encodes the hypersensitive response eliciting protein or polypeptide. This isolated protein or polypeptide and the isolated DNA molecule can be used to impart disease resistance to plants, to enhance plant growth, and/or to control insects on plants. This can be achieved by applying the hypersensitive response elicitor

protein or polypeptide in a non-infectious form to plants or plant seeds under conditions effective to impart disease resistance, to enhance plant growth, and/or to control insects on plants or plants grown from the plant seeds. Alternatively, transgenic plants or plant seeds transformed with a DNA molecule encoding a hypersensitive response elicitor protein or polypeptide can be provided and the transgenic plants or plants resulting from the transgenic plant seeds are grown under conditions effective to impart disease resistance, to enhance plant growth, and/or to control insects on plants or plants grown from the plant seeds.

6 Claims, 13 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Figures	Abstract	Claims	Index	Drawings
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☐ 21. Document ID: US 6143721 A

L2: Entry 21 of 54

File: USPT

Nov 7, 2000

US-PAT-NO: 6143721

DOCUMENT-IDENTIFIER: US 6143721 A

**** See image for Certificate of Correction ****

TITLE: Dolastatin 15 derivatives

DATE-ISSUED: November 7, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Janssen; Bernd	Marlborough	MA		
Barlozzari; Teresa	Wellesley	MA		
Haupt; Andreas	Northborough	MA		
Zierke; Thomas	Bohl-Iggelheim			DE
Kling; Andreas	Mannheim			DE

US-CL-CURRENT: 514/16; 514/17, 514/2, 530/328, 530/329, 530/330

ABSTRACT:

Compounds of the present invention include cell growth inhibitors which are peptides of Formula I,

A-B-D-E-F-(G).sub.r -(K).sub.s -L (I),

and acid salts thereof, wherein A, B, D, E, F, G and K are .alpha.-amino acid residues, and s and r are each, independently, 0 or 1. L is a monovalent radical, such as, for example, an amino group, an N-substituted amino group, a .beta.-hydroxylamino group, a hydrazido group, an alkoxy group, a thioalkoxy group, an aminoxy group, or an oximato group. The present invention also includes a method for treating cancer in a mammal, such as a human, comprising administering to the mammal an effective amount of a compound of Formula I in a pharmaceutically acceptable composition.

39 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full	Title	Citation	Front	Revision	Classification	Date	Reference	Claims	Page	Draw
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☐ 22. Document ID: US 6127139 A

L2: Entry 22 of 54

File: USPT

Oct 3, 2000

US-PAT-NO: 6127139

DOCUMENT-IDENTIFIER: US 6127139 A

TITLE: Method for assaying proteolytic enzymes using fluorescence-quenched substrates

DATE-ISSUED: October 3, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Te Koppele; Johannes Maria	Leiderdorp			NL
Beekman; Bob	Leiden			NL

US-CL-CURRENT: 435/24; 435/23, 435/4, 435/968

ABSTRACT:

A method is disclosed for assaying a proteolytic enzyme comprising: (a) incubating an enzyme-containing sample with an immobilized fluorescence-quenched peptide having the formula Que-Sub-Flu-Spa-Car or Flu-Sub-Que-Spa-Car wherein Sub is a peptide chain containing a specific cleavage site for said proteolytic enzyme; Flu is a fluorophore; Que is a quencher capable of absorbing fluorescent radiation emitted by the fluorophore; Spa is a direct bond or a spacing chain; and Car is a water-insoluble and/or macromolecular carrier; (b) optionally separating the liquid from the carrier material; (c) irradiating said carrier material and measuring fluorescence. Also disclosed are immobilized substrates containing specific amino acid sequences for use in such an assay, especially in an assay for aggrecanase, and metalloproteinase-1, -3 and -13 activity.

19 Claims, 2 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

Full	Title	Citation	Front	Revision	Classification	Date	Reference	Claims	Page	Draw
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☐ 23. Document ID: US 6125436 A

L2: Entry 23 of 54

File: USPT

Sep 26, 2000

US-PAT-NO: 6125436

DOCUMENT-IDENTIFIER: US 6125436 A

TITLE: Symmetric multiprocessing system with unified environment and distributed system functions wherein bus operations related storage spaces are mapped into a single system address space

DATE-ISSUED: September 26, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bertone; James F.	Quincy	MA		
DiPlacido, Jr.; Bruno	Dedham	MA		
Joyce; Thomas F.	Westford	MA		
Massucci; Martin	Burlington	MA		
McNally; Lance J.	Townsend	MA		
Murray, Jr.; Thomas L.	Hollis	NH		
Nibby, Jr.; Chester M.	Beverly	MA		
Pence; Michelle A.	Chelmsford	MA		
Sanfacon; Marc	North Chelmsford	MA		
Shen; Jian-Kuo	Belmont	MA		
Somers; Jeffrey S.	Lowell	MA		
Steiner; G. Lewis	Milford	MA		

US-CL-CURRENT: 711/202; 711/200

ABSTRACT:

A symmetric multiprocessing system with a unified environment and distributed system functions provides unified address space for all functional units in the system while distributing the execution of various system functions over the functional units of the system whereby each functional unit assumes responsibility for its own aspects of these operations. In addition, the system provides improved system bus operation for transfer of data from memory.

8 Claims, 26 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 25

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Index	Image
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☐ 24. Document ID: US 6104833 A

L2: Entry 24 of 54

File: USPT

Aug 15, 2000

US-PAT-NO: 6104833

DOCUMENT-IDENTIFIER: US 6104833 A

**** See image for Certificate of Correction ****

TITLE: Pattern recognizing apparatus and method

DATE-ISSUED: August 15, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Naoui; Satoshi	Kawasaki			JP
Suwa; Misako	Kawasaki			JP
Hotta; Yoshinobu	Kawasaki			JP

US-CL-CURRENT: 382/190; 382/177, 382/187, 382/209

ABSTRACT:

An environment recognizing unit extracts the first through N-th states from an input image and calls data corresponding to the first through N-th states from the first through N-th pattern recognizing units to perform a recognizing unit.

31 Claims, 127 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 94

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FIGS	Drawing
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☐ 25. Document ID: US 6103698 A

L2: Entry 25 of 54

File: USPT

Aug 15, 2000

US-PAT-NO: 6103698

DOCUMENT-IDENTIFIER: US 6103698 A

**** See image for Certificate of Correction ****

TITLE: Dolastatin-15 derivatives in combination with taxanes

DATE-ISSUED: August 15, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barlozzari; Teresa	Wellesley	MA		
Haupt; Andreas	Northborough	MA		

US-CL-CURRENT: 514/18; 514/16, 514/17, 514/449

ABSTRACT:

The present invention provides compositions and methods for the treatment of cancer in a subject wherein compounds of Formula I as defined herein in combination with paclitaxel, taxotere or modified taxane or taxoid analogs provide enhanced anticancer effects over the effects achieved with the individual compounds.

25 Claims, 4 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FIGS	Drawing
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☐ 26. Document ID: US 6096445 A

L2: Entry 26 of 54

File: USPT

Aug 1, 2000

US-PAT-NO: 6096445

DOCUMENT-IDENTIFIER: US 6096445 A

TITLE: Substrate for a magnetic recording medium, the magnetic recording medium, and a method of producing the same

DATE-ISSUED: August 1, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Terakado; Masatomo	Odawara			JP
Inomata; Youichi	Odawara			JP
Yahisa; Yotsuo	Odawara			JP
Ishikawa; Akira	Kodaira			JP
Akamatsu; Kiyoshi	Yokohama			JP

US-CL-CURRENT: 428/694T; 428/694SG, 428/694TR, 428/900

ABSTRACT:

A non-ferromagnetic metal thin film is formed on a non-ferromagnetic substrate such as a glass substrate. A target principally containing an intermetallic compound is sputtered to form a fine structure having discrete bumps provided on the surface of the substrate. In addition, ring bumps different from the bumps of the intermetallic compound are formed on a contact start/stop zone by a laser or other means, thus completing a magnetic recording medium.

2 Claims, 22 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 13

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Index	Drawings
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☐ 27. Document ID: US 6015790 A

L2: Entry 27 of 54

File: USPT

Jan 18, 2000

US-PAT-NO: 6015790

DOCUMENT-IDENTIFIER: US 6015790 A

TITLE: Methods and compositions for treating rheumatoid arthritis

DATE-ISSUED: January 18, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Barlozzari; Teresa	Wellesley	MA
Banerjee; Subhashis	Shrewsbury	MA
Haupt; Andreas	Northborough	MA

US-CL-CURRENT: 514/17; 514/18

ABSTRACT:

The present invention provides compositions and methods for the treatment of rheumatoid arthritis in a subject wherein one or more compounds of Formula I as defined herein alone or in combination with one or more other antiarthritic drugs provide suppression of rheumatoid arthritis.

11 Claims, 4 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 6

Full	Title	Citation	Front	Review	Classification	Date	Reference	Figures	Claims	Page	Draw
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☐ 28. Document ID: US 5958354 A

L2: Entry 28 of 54

File: USPT

Sep 28, 1999

US-PAT-NO: 5958354

DOCUMENT-IDENTIFIER: US 5958354 A

**** See image for Certificate of Correction ****

TITLE: Aluminosilicate cation exchange compounds

DATE-ISSUED: September 28, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP	CODE	COUNTRY
Thompson; John Gerard	Page,	Australian Capital Territory,	2614		AU
Koun; Sasha	Cook,	Australian Capital Territory,	2614		AU
Withers; Raymond Leslie	Narrabundah,	Australian Capital Territory,	2604		AU
Palethorpe; Stephen Ronald	Cook,	Australian Capital Territory,	2614		AU

US-CL-CURRENT: 423/328.1; 423/328.2

ABSTRACT:

Poorly or partly crystalline alkali metal aluminosilicate materials have stuffed silica polymorph related-structures in which the aluminium is at least predominantly tetrahedrally coordinated and cation exchange capacities at room temperature of at least 1 meq 100 g.sup.-1 in aqueous solution. The materials are produced by reacting an aluminosilicate, or a combination of aluminium oxide-containing and silicon oxide-containing compounds, with an alkali oxide-containing

reagent. Preferably the reaction is a solid state reaction. Specific surfaces of the material are likely to be less than 45 m.sup.2 g.sup.-1. The preferred aluminosilicate reactants are kaolin group minerals.

22 Claims, 15 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 15

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Index	Page
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☐ 29. Document ID: US 5939527 A

L2: Entry 29 of 54

File: USPT

Aug 17, 1999

US-PAT-NO: 5939527

DOCUMENT-IDENTIFIER: US 5939527 A

TITLE: Tetrapeptides as antitumor agents

DATE-ISSUED: August 17, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barlozzari; Teresa	Wellesley	MA		
Haupt; Andreas	Westborough	MA		
Janssen; Bernd	Marlborough	MA		
Griesinger; Christian	Oberursel			DE
Belik; Daniel	Frankfurt			DE
Boretzky; Michael	Offenbach			DE

US-CL-CURRENT: 530/330

ABSTRACT:

The present invention provides anti-tumor peptides of Formula I,

A--B--NR.sup.3 --CHD--CH(OCH.sub.3)--CH.sub.2 CO--E--K (I),

and the acid salts thereof. A is an amino acid residue selected from the group consisting of N-methyl-D-prolyl, N-methyl-D-homoprolyl and N,N-dimethyl-2-ethylphenylglycyl, or an amino acid residue of the formula R.sup.1 R.sup.2 N--CHX--CO, wherein R.sup.1 is a methyl group or an ethyl group, R.sup.2 is a hydrogen atom, a methyl group or an ethyl group, and X is an alkyl group. B is an amino acid residue selected from the group consisting of valyl, isoleucyl, leucyl, and 2-t-butylglycyl. R.sup.3 is a hydrogen atom or a methyl group. D is a normal or branched C.sub.2 -C.sub.5 -alkyl group. E is an amino acid residue selected from the group consisting of prolyl, homoprolyl, 5-methylprolyl, and phenylalanyl, or E is a residue derived from an amino acid comprising a pyrrolidine group. K is an alkoxy group or an amino group.

An additional embodiment of the present invention is a method for treating a malignancy in a mammal, such as a human, comprising administering to the mammal an effective amount of a compound or compounds of Formula I in a pharmaceutically

acceptable composition.

15. Claims, 1 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Index	Drawings
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☐ 30. Document ID: US 5831002 A

L2: Entry 30 of 54

File: USPT

Nov 3, 1998

US-PAT-NO: 5831002

DOCUMENT-IDENTIFIER: US 5831002 A

TITLE: Antitumor peptides

DATE-ISSUED: November 3, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Haupt; Andreas	Ludwigshafen			DE
Emling; Franz	Ludwigshafen			DE
Romerdaahl; Cynthia	Wayland	MA		

US-CL-CURRENT: 530/329; 530/330

ABSTRACT:

Novel compounds of the formula

R.sup.1 R.sup.2 N--CHX-CO-A-B-D-(E).sub.s -(F).sub.t -(G).sub.U -KI

in which R.sup.1, R.sup.2, A, B, D, E, F, G, K, X, s, t, and u have the meanings stated in the description, and the preparation thereof are described. The novel substances have an antineoplastic effect.

10 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Index	Drawings
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☐ 31. Document ID: US 5741892 A

L2: Entry 31 of 54

File: USPT

Apr 21, 1998

US-PAT-NO: 5741892

DOCUMENT-IDENTIFIER: US 5741892 A

TITLE: Pentapeptides as antitumor agents

DATE-ISSUED: April 21, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Barlozzari; Teresa	Wellesley	MA		
Haupt; Andreas	Westborough	MA		
Janssen; Bernd	Marlborough	MA		
Griesinger; Christian	Oberursel			DE
Belik; Daniel	Frankfurt			DE
Boretzky; Michael	Offenbach			DE
Pettit; George R.	Paradise Valley	AZ		

US-CL-CURRENT: 530/330

ABSTRACT:

The present invention provides anti-tumor peptides of Formula I,

A-B-N (CH.sub.3)-CHD-CH(OCH.sub.3)-CH.sub.2 CO-Pro-Pro-K (I),

and the acid salts thereof. A is an amino acid residue of the formula (CH.sub.3).sub.2 N--CHX--CO, wherein X is a normal or branched alkyl group. B is an amino acid residue selected from the group consisting of valyl, isoleucyl, leucyl, and 2-t-butylglycyl. D is a normal or branched C.sub.3 -C.sub.4 -alkyl group. K is a t-butoxy group or a substituted amino group.

An additional embodiment of the present invention is a method for treating a malignancy in a mammal, such as a human, comprising administering to the mammal an effective amount of a compound or compounds of Formula I in a pharmaceutically acceptable composition.

8 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Index	Drawings
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☐ 32. Document ID: US 5721939 A

L2: Entry 32 of 54

File: USPT

Feb 24, 1998

US-PAT-NO: 5721939

DOCUMENT-IDENTIFIER: US 5721939 A

TITLE: Method and apparatus for tokenizing text

DATE-ISSUED: February 24, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kaplan; Ronald M.	Palo Alto	CA		

US-CL-CURRENT: 704/9; 704/1, 704/2

ABSTRACT:

An efficient method and apparatus for tokenizing natural language text minimizes required data storage and produces guaranteed incremental output. Id (text) is composed with a tokenizer to create a finite state machine representing tokenization paths. The tokenizer itself is in the form of a finite state transducer. The process is carried out in a breadth-first manner so that all possibilities are explored at each character position before progressing. Output is produced incrementally and occurs only when all paths collapse into one. Output may be delayed until a token boundary is reached. In this manner, the output is guaranteed and will not be retracted unless the text is globally ill-formed. Each time output is produced, storage space is freed for subsequent text processing.

24 Claims, 20 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 16

Full	Title	Citation	Front	Revision	Classification	Date	Reference	Claims	Index	Page
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☐ 33. Document ID: US 5604224 A

L2: Entry 33 of 54

File: USPT

Feb 18, 1997

US-PAT-NO: 5604224

DOCUMENT-IDENTIFIER: US 5604224 A

TITLE: Substituted heterocyclisoquinolinium salts and compositions and methods of use thereof

DATE-ISSUED: February 18, 1997

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dority, Jr.; John A.	Upper Providence Township	PA		
Earley; William G.	East Vincent Township	PA		
Kumar; Virendra	Tredyffrin Township	PA		
Mallamo; John P.	Uwchlan Township	PA		
Miller; Matthew S.	Lower Makefield Township	PA		
Subramanyam; Chakrapani	Towamencin Township	PA		

US-CL-CURRENT: 514/226.8; 514/227.2, 514/228.5, 514/228.8, 514/241, 514/245,
514/246, 514/250, 514/252.04, 514/255.05, 514/257, 514/266.21, 514/277, 514/278,
514/289, 514/294, 514/300, 514/307, 514/308, 514/311, 514/318, 514/321, 514/322,
514/338, 514/339, 514/361, 514/363, 514/364, 514/366, 514/373, 514/375, 514/379,
514/383, 514/393, 514/403, 514/63, 514/79

ABSTRACT:

Substitutued heterocyclisoquinolinium salts, pharmaceutical compositions containing them and methods for the treatment or prevention of neurodegenerative disorders or neurotoxic injuries utilizing them.

21 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FIGS	Drawings
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☐ 34. Document ID: US 5502032 A

L2: Entry 34 of 54

File: USPT

Mar 26, 1996

US-PAT-NO: 5502032

DOCUMENT-IDENTIFIER: US 5502032 A

**** See image for Certificate of Correction ****

TITLE: Peptides, the preparation and use thereof

DATE-ISSUED: March 26, 1996

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Haupt; Andreas	Ludwigshafen			DE
Janssen; Bernd	Ludwigshafen			DE
Ritter; Kurt	Heidelberg			DE
Klinge; Dagmar	Heidelberg			DE
Keilhauer; Gerhard	Dannstadt-Schauernheim			DE
RomerdaHL; Cynthia	Wayland	MA		
Barlozzari; Teresa	Brookline	MA		
Qian; Xiao-dong	Wellesley	MA		

US-CL-CURRENT: 514/17; 514/18, 530/330, 530/331

ABSTRACT:

Novel peptides of the formula ##STR1## in which R.sup.1, R.sup.2, X, A, R.sup.3, B, D, E, R.sup.7, M, Q, a, b and d have the meanings stated in the description, and the preparation thereof are described. The novel substances have an antineoplastic effect.

13 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	FIGS	Drawings
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☐ 35. Document ID: US 5446659 A

L2: Entry 35 of 54

File: USPT

Aug 29, 1995

US-PAT-NO: 5446659

DOCUMENT-IDENTIFIER: US 5446659 A

TITLE: Traffic accident data recorder and traffic accident reproduction system

DATE-ISSUED: August 29, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Yamawaki; Yuichiro	Kobe			JP

US-CL-CURRENT: 701/29; 340/438, 701/35

ABSTRACT:

A traffic accident data recorder comprising an acceleration sensor 3, an angular velocity sensor 4 if necessary, a memory 8, and a control section 7 for controlling the recording in the memory 8. When the output datum from the acceleration sensor 3 or the angular velocity sensor exceeds a predetermined value, the control section 7 recognizes that time as a traffic accident occurrence time, and stores the acceleration data and angular velocity data before and after then or after then in the memory 8. By analyzing the data with a traffic accident data reproduction system, it is possible to reproduce the state at the traffic accident occurrence time.

7 Claims, 19 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 9

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	FIGS	Drawings
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☐ 36. Document ID: US 5403596 A

L2: Entry 36 of 54

File: USPT

Apr 4, 1995

US-PAT-NO: 5403596

DOCUMENT-IDENTIFIER: US 5403596 A

TITLE: Factor Xa inhibitor and pharmaceutical compositions containing same

DATE-ISSUED: April 4, 1995

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rigbi; Meir	Jerusalem			IL
Jackson; Craig M.	Grosse Pointe Farms	MI		

US-CL-CURRENT: 424/537; 424/550, 514/21, 530/855

ABSTRACT:

A novel anticoagulant/modulator factor isolated from the saliva of the medicinal leech *Hirudo medicinalis*, specifically inhibiting bovine Xa factor but not inhibiting bovine thrombin.

8 Claims, 2 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Index	Draw
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☐ 37. Document ID: US 5363453 A

L2: Entry 37 of 54

File: USPT

Nov 8, 1994

US-PAT-NO: 5363453

DOCUMENT-IDENTIFIER: US 5363453 A

TITLE: Non-minutiae automatic fingerprint identification system and methods

DATE-ISSUED: November 8, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Gagne; Patricia C.	Coventry	RI		
Puterko; Carol M.	Coventry	RI		

US-CL-CURRENT: 382/125

ABSTRACT:

The invention relates to a system and methods for verifying a person's identity, and pertains in particular to such a system and methods which utilize comparison of a fingerprint pattern for identification verification. The image of a fingerprint of a person to be identified is provided on an inkless means which when touched by a finger of the person causes immediate development of an image of the fingerprint of the finger in a black and white appearance. This image of a fingerprint is video scanned (60) to produce image data which is digitized (10) to produce a non-minutiae digitized numerical identifier indicative of the fingerprint. A preferred method and system provides a non-minutiae digitized numerical identifier having 24 bytes of fingerprint identification data which is recordable within the magnetic stripe of a credit card personal to a person, or may be recorded within the confines of a portable personnel identification means, or within a smart card, personal to a person. The non-minutiae digitized numerical identifier is provided by selectively analyzing different parts of a fingerprint and deriving from each part a byte numeric which is directly related to the ridge count computed for that part.

3 Claims, 45 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 28

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Index	Draw
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☐ 38. Document ID: US 5291406 A

US-PAT-NO: 5291406

DOCUMENT-IDENTIFIER: US 5291406 A

TITLE: Land vehicle suspension control system

DATE-ISSUED: March 1, 1994

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Williams; David A.	Stoney Stratford			GB
Wright; Peter G.	Wymondham			GB

US-CL-CURRENT: 701/37; 280/5.507, 280/5.51

ABSTRACT:

The invention relates to a land vehicle suspension control system comprising means (25) for measuring forces acting between the sprung mass (body) (20) of a vehicle and unsprung masses (wheel and hub assemblies) (11, 18) connected thereto, means for producing signals proportional to the measured loads and actuator means (14) operable to apply correcting forces in dependence on said signals to control the attitude of the vehicle, the actuator means being capable of stable operation to counteract loads acting on the vehicle including loads isolated from the means for measuring forces. The loads isolated from the means for measuring forces include those loads which are absorbed by passive isolators that are connected in series with the actuator means of the vehicle.

7 Claims, 6 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Index	Drawings
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☐ 39. Document ID: US 5206339 A

US-PAT-NO: 5206339

DOCUMENT-IDENTIFIER: US 5206339 A

TITLE: Extrusion process of polyimide and polyimide pellet used for the process

DATE-ISSUED: April 27, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Saruwatari; Masumi	Nagoya			JP
Tsuji; Syoichi	Tanashi			JP
Fujii; Yasuhiro	Nagoya			JP

US-CL-CURRENT: 528/353; 264/118, 264/126, 264/140, 264/141, 264/142, 264/143,
528/125, 528/126, 528/128, 528/170, 528/172, 528/173, 528/183, 528/188, 528/220,
528/229, 528/350, 528/351

ABSTRACT:

Polyimide which is obtained by polymerization and consists essentially of recurring structural units of the formula (I): ##STR1## wherein X is a single bond or a hexafluoroisopropylidene group, is processed to a form of pellet, followed by heat-treating to obtain crystallinity of 5% or more, and fed to an extruder to obtain articles.

4 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Book	Draw
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☐ 40. Document ID: US 5182113 A

L2: Entry 40 of 54

File: USPT

Jan 26, 1993

US-PAT-NO: 5182113

DOCUMENT-IDENTIFIER: US 5182113 A

**** See image for Certificate of Correction ****

TITLE: Factor Xa inhibitor from leech and pharmaceutical compositions containing same

DATE-ISSUED: January 26, 1993

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rigbi; Meir	Jerusalem			IL
Jackson; Craig M.	Grosse Pointe Farms	MI		

US-CL-CURRENT: 424/537; 424/550, 514/21, 530/855

ABSTRACT:

A novel anticoagulant/modulator factor isolated from the saliva of the medicinal leech *Hirudo medicinalis*, specifically inhibiting bovine Xa factor but not inhibiting bovine thrombin.

9 Claims, 2 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 2

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Book	Draw
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☐ 41. Document ID: US 5124950 A

US-PAT-NO: 5124950

DOCUMENT-IDENTIFIER: US 5124950 A

**** See image for Certificate of Correction ****

TITLE: Multi-port semiconductor memory

DATE-ISSUED: June 23, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fukushi; Isao	Yokohama			JP
Ozawa; Takashi	Yokohama			JP

US-CL-CURRENT: 365/230.05; 365/208, 365/230.01

ABSTRACT:

A multi-port semiconductor memory includes a memory cell array having a plurality of memory cells (10), a plurality of columns and rows, a write/read system, and at least one read system having sense amplifiers, each of the columns having a pair of data lines. Each of the sense amplifiers has first and second terminals connected to the pair of data lines and senses a voltage difference between the first and second terminals. The multi-port semiconductor memory also includes an address coincidence detection circuit which generates a control signal when a first address provided for writing write data into the memory cell array by the write/read system coincides with a second address provided for reading the write data by the read system. Further, the multi-port semiconductor memory includes a read control circuit which is provided in each of the sense amplifiers and which connects the first and second terminals of a corresponding one of the sense amplifiers to the pair of data lines when the address coincidence detection circuit generates no control signal and which sets one of the first and second terminals to a predetermined voltage on the basis of the content of the write data while the other one of the first and second terminals is connected to a corresponding one of the pair of data lines.

15 Claims, 10 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 10

Full	Title	Citation	Front	Review	Classification	Date	Reference	Index	Claims	Index	Drawings
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☐ 42. Document ID: US 5096929 A

L2: Entry 42 of 54

File: USPT

Mar 17, 1992

US-PAT-NO: 5096929

DOCUMENT-IDENTIFIER: US 5096929 A

TITLE: 2-amino-1,2,3,4-tetrahydronaphthalene derivatives with cardiovascular activity, process for their preparation and pharmaceutical compositions containing them

DATE-ISSUED: March 17, 1992

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Chiesi; Paolo	Parma			IT
Bongrani; Stefano	Parma			IT
Delcanale; Maurizio	Parma			IT
Servadio; Vittorino	Parma			IT

US-CL-CURRENT: 514/653; 564/364

ABSTRACT:

5,6-Dimethoxy-2-[2-(4-hydroxyphenyl)-2-hydroxy-2-methylethyl]amino- 1,2,3,4-tetrahydronaphthalene has inotropic and vasodilating activities and therefore can be used in the treatment of cardiocirculatory failure. The compound can be in the form of a single stereoisomer or as a mixture of two or more stereoisomers.

11 Claims, 0 Drawing figures

Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Abstract	Claims	Index	Draw
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☐ 43. Document ID: US 5069848 A

L2: Entry 43 of 54

File: USPT

Dec 3, 1991

US-PAT-NO: 5069848

DOCUMENT-IDENTIFIER: US 5069848 A

TITLE: Extrusion process of polyimide and polyimide pellet used for the process

DATE-ISSUED: December 3, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Saruwatari; Masumi	Nagoya			JP
Tsuji; Syoichi	Tanashi			JP
Fujii; Yasuhiro	Nagoya			JP

US-CL-CURRENT: 264/118; 264/126, 264/140, 264/141, 264/176.1, 264/234, 264/331.14, 264/331.19

ABSTRACT:

Polyimide which is obtained by polymerization and consists essentially of recurring structural units of the formula (I): ##STR1## wherein X is a single bond or a hexafluoroisopropylidene group, is processed to a form of pellet, followed by heat-treating to obtain crystallinity of 5% or more, and fed to an extruder to obtain articles.

3 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Index	Drawings
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☐ 44. Document ID: US 5061523 A

L2: Entry 44 of 54

File: USPT

Oct 29, 1991

US-PAT-NO: 5061523

DOCUMENT-IDENTIFIER: US 5061523 A

TITLE: Autodeposition process with low volatile organic chemical emissions

DATE-ISSUED: October 29, 1991

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Shachat; Norman	Horsham	PA		

US-CL-CURRENT: 427/377; 427/435, 526/319

ABSTRACT:

An effective autodeposition bath with low volatile organic compound emissions can be compounded with polymer solids made by polymerizing a mixture of monomers consisting of certain acrylates and other monomers. E.g., a suitable mixture is, in percents by weight, 44% butyl acrylate, 36% acrylonitrile, 10% styrene, 7% methacrylic acid, 2% of the methyl ether of methacrylamide, and 1.5% of hydroxyethyl acrylate.

12 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference	Claims	Index	Drawings
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☐ 45. Document ID: US 4918589 A

L2: Entry 45 of 54

File: USPT

Apr 17, 1990

US-PAT-NO: 4918589

DOCUMENT-IDENTIFIER: US 4918589 A

TITLE: Method and apparatus for linking processors in a hierarchical control system

DATE-ISSUED: April 17, 1990

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Floro; William E.	Willoughby	OH		

Luboski; Mark Euclid OH
Murphy; Timothy J. Parma OH

US-CL-CURRENT: 700/3; 710/15

ABSTRACT:

An inter-processor communication module is inserted into a slot of an equipment rack of the type used to connect I/O modules to system processors in a programmable controller. Using two of the inter-processor communication modules in two respective racks, a supervisory processor is connected to two respective local area processors in a distributed control system. The inter-processor communication module has a serial channel controller that connects to the supervisory processor through a serial I/O port and a serial communication channel to communicate blocks of I/O status data. The serial channel controller is coupled to a backplane controller through a common memory and arbitration circuitry to exchange blocks of I/O status data. The backplane controller, which is also a part of the inter-processor communication module, plugs into the backplane of the rack and exchanges blocks of I/O status data with a local area processor. The two controllers also exchange processor status data to coordinate communications which are initiated by the supervisory processor and the local area processor. Methods of transferring I/O status data between the supervisory processor and the local area processors are also disclosed.

24 Claims, 15 Drawing figures
Exemplary Claim Number: 1
Number of Drawing Sheets: 15

Full	Title	Abstract	Front	Review	Classification	Date	Reference	Drawings	Claims	Index	Drawings
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☐ 46. Document ID: US 4882702 A

L2: Entry 46 of 54

File: USPT

Nov 21, 1989

US-PAT-NO: 4882702

DOCUMENT-IDENTIFIER: US 4882702 A

**** See image for Certificate of Correction ****

TITLE: Programmable controller with I/O expansion module located in one of I/O module positions for communication with outside I/O modules

DATE-ISSUED: November 21, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Struger; Odo J.	Chagrin Falls	OH		
Luboski; Mark	Euclid	OH		
Murphy; Timothy J.	Hudson	OH		

US-CL-CURRENT: 710/2; 700/3, 700/8

ABSTRACT:

The capacity of programmable controllers with a processor module and I/O modules connected in a single equipment rack is expanded by connecting an I/O expansion module in one of the positions normally occupied by a conventional I/O module. The I/O expansion module communicates with the processor module through the rack backplane and also communicates with other racks of I/O modules and with node I/O modules through a serial data channel. Data for I/O modules on the serial data channel are stored in a bulk storage area in the processor module to expand the effective size of an image table of I/O status data that is maintained by the processor module. The processor module is programmed to operate with a backplane controller in the I/O expansion module to transfer data in or out of the bulk storage area. Besides the backplane controller, the I/O expansion module includes a serial channel controller, a common memory and arbitration circuitry which allows the controllers to alternate access to the common memory and to exchange data. The serial channel controller controls multiplexing and demultiplexing of I/O status data with the I/O modules through the serial data channel.

10 Claims, 11 Drawing figures
Exemplary Claim Number: 4
Number of Drawing Sheets: 11

Full	Title	Citation	Front	Review	Classification	Date	Reference	Pat. No.	Pub. No.	Claims	Keywords	Draw. No.
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☐ 47. Document ID: US 4866677 A

L2: Entry 47 of 54

File: USPT

Sep 12, 1989

US-PAT-NO: 4866677
DOCUMENT-IDENTIFIER: US 4866677 A

TITLE: Semiconductor memory device with multiple alternating decoders coupled to each word line

DATE-ISSUED: September 12, 1989

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sakurai; Takayasu	Tokyo			JP

US-CL-CURRENT: 365/222; 365/189.04, 365/230.05, 365/230.06

ABSTRACT:

A semiconductor memory device includes a first row decoder and memory cells M11 to MNL. The first row decoder receives the row address signal from an input buffer and a specific row for a matrix array of memory cells M11 to MNL. The memory device further includes a second row decoder, a refresh address generator, a timing controller and switching circuits. The second row decoder selects a specific row of the matrix array according to a refresh address derived from the refresh address generator. The output terminals of the first and second row decoders, are connected to the memory cells through groups of switching circuits. The timing controller selectively renders conductive either the switching circuit group.

13 Claims, 20 Drawing figures
Exemplary Claim Number: 1

Number of Drawing Sheets: 5

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Index	Drawings
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☐ 48. Document ID: US 4685675 A

L2: Entry 48 of 54

File: USPT

Aug 11, 1987

US-PAT-NO: 4685675

DOCUMENT-IDENTIFIER: US 4685675 A

TITLE: Adjustably weighted racquet

DATE-ISSUED: August 11, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Heiman; Melvin	Hallandale	FL	33009	

US-CL-CURRENT: 473/519

ABSTRACT:

An adjustably weighted racquet includes a head having a frame with multiplicity of holes distributed throughout the frame for receiving strings. The frame has a plurality of bores distributed throughout the frame, each of which are spaced from the holes. A plurality of individual weights are each insertible in a respective one of the bores and are movable from bore to bore for weighting the racquet as desired. A device such as E-rings or spring-loaded ball bearings is also provided for detachably locking the weights in the bores.

9 Claims, 8 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 1

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Index	Drawings
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☐ 49. Document ID: US 4154706 A

L2: Entry 49 of 54

File: USPT

May 15, 1979

US-PAT-NO: 4154706

DOCUMENT-IDENTIFIER: US 4154706 A

TITLE: Nonionic shampoo

DATE-ISSUED: May 15, 1979

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
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Kenkare; Divaker B. South Plainfield NJ
Robbins; Clarence R. Piscataway NJ

US-CL-CURRENT: 510/123; 510/423, 510/470, 510/475, 510/503, 510/506

ABSTRACT:

An all nonionic liquid shampoo which includes an amine oxide, a polyoxyethylene hexitan mono-higher fatty acid ester, and at least one of a higher alkoxy polyoxyethylene ethanol, an alkyl glycoside and a mixture of glycoside, a higher fatty acid lower alkanolamide and polyacrylamide. Optionally, the mixture of higher fatty acid lower alkanolamide and polyacrylamide may be present in the liquid shampoo containing amine oxide, polyoxyethylene hexitan mono-higher fatty acid ester and the higher alkoxy polyoxyethylene ethanol and/or alkyl glycoside. Another optional constituent is a polyethylene glycol higher fatty acid ester. The shampoos are essentially free of ions and are desirably completely free of ionic materials with the pH essentially neutral.

12 Claims, 0 Drawing figures
Exemplary Claim Number: 1

Full	Title	Citation	Front	Reexam	Classification	Date	Reference	Abstract	Claims	Drawings	Drawings
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☐ 50. Document ID: US 3909786 A

L2: Entry 50 of 54

File: USPT

Sep 30, 1975

US-PAT-NO: 3909786

DOCUMENT-IDENTIFIER: US 3909786 A

TITLE: Digital telecommunications switching systems

DATE-ISSUED: September 30, 1975

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Lawrence; Gerald Norman	Coventry			EN

US-CL-CURRENT: 370/370; 370/384

ABSTRACT:

A switching system for a digital telecommunications exchange handling data, telex or speech signals in digital form. The switching system comprises a series of stages which may, for example, be a time-space-time sequence. Where a communication path cannot be established immediately on application of an incoming request, because of some incompatibility between the input and output signalling systems for example, it is desirable to reserve a path while the incompatibility is being resolved. This is achieved according to the invention by setting up the path connections in all but one of the switching stages. The remaining connection is preferably withheld by disabling its selection rather than disabling the path itself.

4 Claims, 4 Drawing figures

Exemplary Claim Number: 1

Number of Drawing Sheets: 3

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	Index	Drawing
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